

Electronic Information Disclosure Statement



Modifying Message Data and Generating Random Number Digital Signature Within Computer Chip

Application: 
09/923075

Confirmation: 1892

Applicant(s): Lynn Wheeler

Docket
Number: 10399-34383

Group Art
Unit:

Examiner:

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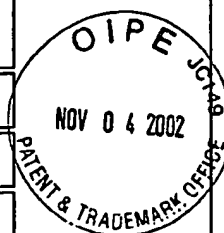
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US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
<input checked="" type="checkbox"/>	P01	5970147	1999-10-19		Davis		
<input type="checkbox"/>	P02	6023509	2000-02-08		Herbert		
<input checked="" type="checkbox"/>	P03	6044154	2000-03-28		Kelly		

P04	6047051	2000-04-04	Ginzboorg et al.
P05	6084969	2000-07-04	Wright et al.
P06	6902202	2000-07-18	Veil et al.
P07	6105012	2000-08-15	Chang
P08	6108644	2000-08-22	Goldschlag et al.
P09	6111956	2000-08-29	Field et al.
P10	6134325	2000-10-17	Vanstone
P11	6161180	2000-12-12	Matayas et al.
P12	6161181	2000-12-12	Haynes, III et al.
P13	6167518	2000-12-26	Padgett et al.
P14	6192130	2001-02-20	Otway
P15	6199052	2001-03-06	Mitty et al.
P16	6202151	2001-03-13	Musgrave et al.
P17	6230269	2001-05-08	Spies et al.
P18	6243812	2001-06-05	Matayas et al.
P19	6263447	2001-07-17	French
P20	4734564	1998-03-29	Boston et al.
P21	4885788	1989-12-05	Takaragi et al.
P22	5453601	1995-09-26	Rosen
P23	5534855	1996-07-09	Shockley et al.
P24	6154543	2000-11-28	Baltzley
P25	5903882	1999-05-11	Asay et al.
P26	5943423	1999-08-24	Muftic
P27	6189096	2001-02-13	Haverty
P28	6233565	2001-05-15	Lewis et al.
P29	6285991	2001-09-04	Powar
✓ P30	6240091	2001-05-29	Ginzboorg et al.



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✓	P31	5928298	1991-07-21		Tanaka
	P32	5778072	1998-07-07		Samar
	P33	5878172	1998-07-28		Arnold
	P34	6009177	1999-12-28		Sudia
	P35	6021202	2000-02-01		Anderson et al.
	P36	6243812	2001-06-05		Matyas et al.
	P37	5671285	1997-09-23		Newman
	P38	5455865	1995-10-03		Pearlman
	P39	5577120	1996-11-19		Penzias
	P40	5677955	1997-10-14		Doggett et al.
	P41	5963648	1999-10-05		Rosen
	P42	6205437	2001-03-20		Gifford
	P43	5209208	1991-07-02		Tanaka
	P44	5745886	1998-04-28		Rosen
	P45	6299062	2001-10-09		Hwang
✓	P46	6144949	2000-11-07		Harris



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Published Applications

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
✓	U01	20010000535	2002-10-23		Lapsley et al.		

Signature

Examiner Name	Date
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Kevin Schuster

6/29/06

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Modifying Message Data and Generating Random Number Digital Signature Within Computer Chip

Application: 
09/923075

Confirmation: 1892

Applicant(s): Lynn Wheeler

Docket
Number: 10399-34383

Group Art
Unit:

Examiner: Barron Jr.

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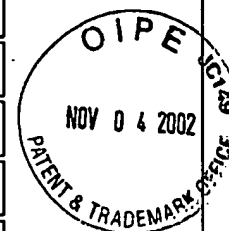
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US Patent Documents

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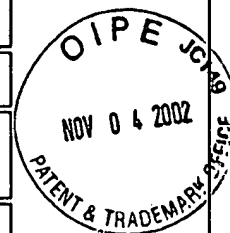
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K9	P01	3962539	1976-09-08		Ehrsam et al.		
I	P02	4200770	1980-04-29		Hellman et al.		
V	P03	4218582	1980-08-19		Hellman et al.		

K4	P04	4405829	1983-09-20	PATENT & TRADEMARK OFFICE	Rivest et al.
	P05	4408203	1983-10-04	PATENT & TRADEMARK OFFICE	Campbell
	P06	4424414	1984-01-03	PATENT & TRADEMARK OFFICE	Hellman et al.
	P07	4748668	1988-05-31	PATENT & TRADEMARK OFFICE	Shamir et al.
	P08	4897920	1989-10-10	PATENT & TRADEMARK OFFICE	Stein
	P09	4823388	1989-04-18	PATENT & TRADEMARK OFFICE	Mizutani et al.
	P10	4825050	1989-04-25	PATENT & TRADEMARK OFFICE	Griffith et al.
	P11	4850017	1989-07-18	PATENT & TRADEMARK OFFICE	Matyas, Jr. et al.
	P12	4868877	1089-01-19	PATENT & TRADEMARK OFFICE	Fischer
	P13	5018196	1991-05-21	PATENT & TRADEMARK OFFICE	Takaragi et al.
	P14	5097504	1992-03-17	PATENT & TRADEMARK OFFICE	Camion et al.
	P15	5140634	1992-08-18	PATENT & TRADEMARK OFFICE	Guillou et al.
	P16	5214703	1993-05-25	PATENT & TRADEMARK OFFICE	Massey
	P17	5225978	1997-07-06	PATENT & TRADEMARK OFFICE	Petersen et al.
	P18	5231668	1993-07-27	PATENT & TRADEMARK OFFICE	Kravitz
	P19	5502766	1996-03-26	PATENT & TRADEMARK OFFICE	Boebert et al.
	P20	5509071	1996-04-16	PATENT & TRADEMARK OFFICE	Petrie Jr., et al.
	P21	5539828	1996-07-23	PATENT & TRADEMARK OFFICE	Davis
	P22	5563946	1996-10-08	PATENT & TRADEMARK OFFICE	Cooper et al.
	P23	5590197	1996-12-31	PATENT & TRADEMARK OFFICE	Chen et al.
	P24	5604801	1997-02-18	PATENT & TRADEMARK OFFICE	Donlon et al.
	P25	5606609	1997-02-25	PATENT & TRADEMARK OFFICE	Houser et al.
	P26	5615266	1997-03-25	PATENT & TRADEMARK OFFICE	Altschuler et al.
	P27	5619574	1997-04-08	PATENT & TRADEMARK OFFICE	Johnson et al.
	P28	5623637	1997-04-22	PATENT & TRADEMARK OFFICE	Jones et al.
	P29	5625690	1997-04-29	PATENT & TRADEMARK OFFICE	Michel et al.
	P30	5636280	1997-06-03	PATENT & TRADEMARK OFFICE	Kelly
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		5671279			
	P33	5677953	1997-10-14		Dophin
	P34	5694471	1997-12-02		Chen et al.
	P35	5708780	1998-01-13		Levergood et al.
	P36	5715314	1998-02-03		Payne
	P37	5721779	1998-02-24		Funk
	P38	5724424	1998-03-03		Gifford
	P39	5751813	1998-05-12		Dorenbos
	P40	5781723	1998-07-14		Yee et al.
	P41	5798640	1998-08-18		Davis
	P42	5812666	1998-09-22		Baker et al.
	P43	5848161	1998-12-08		Luneau et al.
	P44	5862327	1999-01-19		Kwang et al.
	P45	5878142	1999-03-01		Capute et al.
	P46	5887131	1999-03-23		Angelo
	P47	5910989	1999-06-08		Naccache
	P48	5910988	1999-06-08		Ballard
	P49	5949881	1999-09-07		Davis
	P50	5956404	1999-09-21		Schneier et al.



Signature

Examiner Name	Date
<i>Kevin Schubert</i>	<i>6/29/05</i>

Substitute for form 1449/PTO

PTO/SB/08A (02-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	4
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Application Number	09/923,075	RECEIVED AUG 21 2010 Technology Center
Filing Date	11/06/2002	
First Named Inventor	WHEELER et al.	
Art Unit	2132	
Examiner Name		
Attorney Docket Number	10399-34383	

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U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

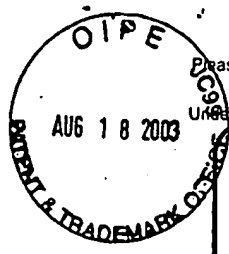
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Examiner Signature	<i>Winn Schuler</i>	Date Considered	6/29/05
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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PTO/SB/08B (10-96)
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Substitute for form 1449B/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	09/923,075	
			Filing Date	11/06/2002	
			First Named Inventor	Wheeler et al.	
			Group Art Unit	2132	
			Examiner Name		
Sheet	2	of	4	Attorney Docket Number	10399-34383

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
KG	1	PKCS #9, Selected Object Classes and Attribute Types Version 2.0, RSA Laboratories, Redwood City, CA, pp 1-42	
	2	Digital Signature Guidelines Tutorial ; ABA Network, (web site at http://www.abanet.org/scitech/ec/isc/dsg-tutorial.html), date of capture 2/18/2003, pp 1-7	
	3	GERCK, Ed, Overview of Certification Systems: x.509, PKIX, CA, PGP & SKIP - Do you understand digital certificates? Do you know what they warrant? July 18, 2000; pp. 1-18	
	4	LINN, John, Trust Models and Management in Public-Key Infrastructures; RSA Laboratories, November 6, 2000, pp 1-13	
	5	PKCS #5, v2.0: Password-Based Cryptography Standard, RSA Laboratories, Redwood City, CA; March 25, 1999; pp 1-30	
	6	PKCS #9, v2.0: Selected Object Classes and Attribute Types, RSA Laboratories, Redwood City, CA; February 25, 2000; pp. 1-34	
	7	PKCS #10, v1.7: Certificate Request Syntax Standard, RSA Laboratories, Redwood City, CA; May 26, 2000; pp. 1-10	
	8	PCKS #12, v1.0: Personal Information Exchange Syntax, RSA Laboratories, Redwood City, CA; June 24, 1999; pp. 1-23	
	9	PCKS #15: Conformance Profile Specification; RSA Laboratories, Redwood City, CA; August 1, 2000; pp 1-8	
	10	PEPE, Michel; Smart Cards Gaining Traction; CRN.com - Point of Sale: Trends, Markets and Technologies; December 31, 2002, (web site at http://crn.channelsupersearch.com/news/crn/39163.asp) captured on February 18, 2003; pp. 1-2	
✓	11	Guide to Internet Security; Public Key Cryptography (web site at http://www.e-certify.com/library/pkc_guide.htm) captured on February 18, 2003	

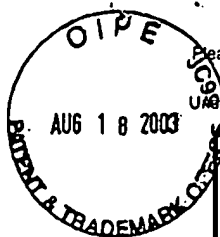
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Examiner Signature	<i>Kevin Schubert</i>	Date Considered	6/29/05
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¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/923,075		
		Filing Date	11/06/2002		
		First Named Inventor	Wheeler et al.		
		Group Art Unit	2132		
		Examiner Name			
Sheet	3	of	4	Attorney Docket Number	10399-34383

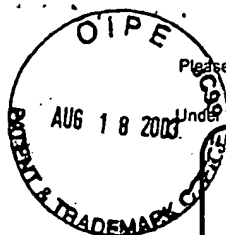
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
KS	12	Private Server Product Description; (web site at http://www.bnn.com.tr/assets/cserver_prodesc.html), date of capture 2/18/2003; pp 1-11	
	13	Cylink atm encryptor (web site at http://securitytools.hypermart.net/security_1/cylink_atm_encryptor.html), date of capture 2/18/2003, p1	
	14	BAL's PGP Public Key Server; The Computer Law Resource 1996; (web site at http://www.complaw.com/pgp/webkeyserver.html) date of capture 2/18/2003; pp 1-2	
	15	Baltimore; Solutions; A New Era in Secure and Trusted E-Business; (web site at http://www.baltimore.com/solutions/index.asp) date of capture 2/18/2003; p 1	
	16	(PGP) Pretty Good Privacy; What's? com; December 27, 2000; (web site at http://whatis.techtarget.com/WhatIs_Definition_Page/0,4152,214292,00.html) date of capture 12/27/2000; pp 1-3	
	17	An Introduction to Cryptography; Network Associates, Inc. PGP, Version 6.5.1; June 1999; pp. 1-88	
	18	TURNBILL, Jim; "Cross-Certification and PKI Policy Networking"; Entrust, Inc; August 2000; pp 1-10	
	19	Some Suggestions for Automatic Encryption and Identity Verification in the IBM Internal Computing Network; December 28, 1985; pp 1-13	
	20	ARTHUR, Dwight; AADS Option for Buyer Authentication; Response to NACHA/IC ANT 2 RFI; September 14, 1998; pp 1-3	
	21	Internet Counsel; Consumer Internet Purchases Using ATM Cards Successfully Processed by NACHA Pilot Participants; February 23, 2003; pp 1-4	
✓	22	Internet Counsel; NACHA to Test ATM Card Payments for Consumer Internet PUrchases; February 23, 2003; pp 1-3	

Examiner Signature	<i>Kevin Schubert</i>	Date Considered	6/29/05
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 4 of 4

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Application Number	09/923,075
Filing Date	11/06/2002
First Named Inventor	Wheeler et al
Group Art Unit	2132
Examiner Name	
Attorney Docket Number	10399-34383

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
165	23	News Release: Digital Signatures Can Secure ATM Card Payments on the Internet, NACHA Pilot Concludes; July 23, 2001; pp 1-2	
	24	KUTLER, Jeffrey; Privacy Broker: Likely Internet Role for Banks? Digital Frontiers; October 8, 1998; pp 1-6	
	25	HETTINGA, BOB, Hettiga's Best of the Month, Journal of Internet Banking and Commerce; Array Development, March 31, 1999, web site at http://www.arraydev.com/commerce/JIBC/9801-20.htm , pp. 1-4.	
	26	DENNY, STEPHANIE, The Electric Commerce Challenge, Journal of Internet Banking and Commerce; Array Development, March 31, 1999, web site at http://www.arraydev.com/commerce/JIBC/9811-06.htm , pp 1-2.	

Examiner Signature	<i>Kevin Schubert</i>	Date Considered	6/29/05
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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of
Invention

Modifying Message Data and Generating Random Number
Digital Signature Within Computer Chip

Application Number: 09/923075



Confirmation Number: 1892

First Named Applicant: Lynn Wheeler

Attorney Docket Number: 1039934383

Search string: (6324525 or 6205437 or 6134325 or 6102287
or 6070154 or 6000522 or 5790677 or 5788953
or 6092202 or 6000832 or 5557518 or 6314519
or 6104815 or 5586036 or 6282522 or 6029150
or 6009177 or 20020120846).pn.

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US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
K	1	6324525	2001-11-27	Kramer et al.			
	2	6205437	2001-03-20	Gifford			
	3	6134325	2000-10-17	Vanstone			
	4	6102287	2000-08-05	Matyas			
	5	6070154	2000-05-30	Tavor et al.			
	6	6000522	1999-12-14	Johnson			
	7	5790677	1998-08-04	Fox et al.			
	8	5788953	1998-07-14	Dolphin			
	9	6092202	2000-07-18	Veil			
	10	6000832	1999-12-14	Franklin et al.			
	11	5557518	1996-09-17	Rosen			
	12	6314519	2001-11-06	Davis et al.			
	13	6104815	2000-08-15	Alcorn et al.			
	14	5586036	1996-07-05	Pinstov			
	15	6282522	2001-08-28	Davis et al.			
✓	16	6029150	2000-02-20	Kravitz			



17	6009177	1999-12-28	Sudia
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US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
17	1	20020120846	2002-08-29	Stewart et al.			

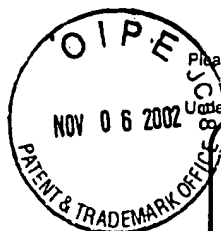
Signature

Examiner Name	Date
<i>Kevin Schubert</i>	6/29/05

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Substitute for form 1449B/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	09/923,075	
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			First Named Inventor	Wheeler et al.	
			Group Art Unit		
			Examiner Name		
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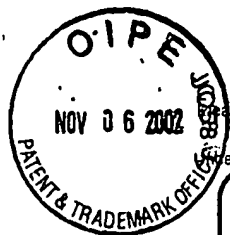
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KS	1.	BURTON S. KALISKI, JR., Some Examples of the PKCS Standards, An RSA Laboratories Technical Note, 11-1-93, RSA Laboratories, Redwood City, CA, pp. 1-15	
	2.	BURTON S. KALISKI, JR., A Layman's Guide to a Subset of ASN.1, BER, and DER, An RSA Laboratories Technical Note, 11-1-93, RSA Laboratories, Redwood City, CA, pp. 1-37	
	3.	PKCS Editor, PKCS #1 v2.1: RSA Cryptography Standard, RSA Laboratories, Draft 2, 1-5-2001, RSA Laboratories, Bedford, MA, pp. 1-60	
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	7.	MICHAEL J. WIENER, Performance Comparison of Public-Key Cryptosystems, The Technical Newsletter of RSA Laboratories, a division of RSA Data Security, Inc., Summer 1998, Vol. 4, Number 1, RSA Laboratories, San Mateo, CA, pp. 1-23	
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	10.	Security Requirements for Cryptographic Modules, Federal Information Processing Standards Publication 140-1, 1-11-94, pp. 1-45, CSL Bulletin For FIPS 140-1 pp. 1-6, Validated FIPS 140-1 Cryptographic Modules 2001, 2000, 1999, 1998, 1997-95, pp. 1-14	
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Examiner Signature	<i>Karin Schubert</i>	Date Considered	6/29/05
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	13.	Answers to Frequently Asked Questions about Today's Cryptography, RSA Data Security, Inc., 10-5-1993, Revision 2.0, pp. 1-44
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	18.	"X9 Overview," American Bankers Association web page (web site at http://www.x9.org/aboutX9.htm), 1998, date of capture 1/11/99, 3 pp.
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	21.	BURTON S. KALISKI JR., An Overview of the PKCS Standards, An RSA Laboratories Technical Note, 11-1-93, RSA Data Security, Inc. Public-Key Cryptography Standards (PKCS), pp. 1-27
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KS	23.	Guideline for Implementing Cryptography in the Federal Government, NIST Special Publication 800-27, November 1999, pp. 1-138
	24.	Guideline for the Use of Advanced Authentication Technology Alternatives, FIPS Publication 190, September 28, 1994, reprinted at http://csrc.nist.gov/publications/fips/fips190/fip190.txt , pp. 1-55
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	26.	Trusted Platform Module (TPM) Security Policy (A Part of the "TCPA Security Policy"), Version 0.45, October 2, 2000, pp. 1-13
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	31.	Security Requirements for Cryptographic Modules, FIPS Publication 140-2, May 25, 2001, pp. 1-62
	32.	Secure Hash Standard, FIPS Publication 180-1, April 17, 1995, pp. 1-24
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kg	34.	Entity Authentication Using Public Key Cryptography, FIPS Publication 196, February 18, 1997, pp. 1-52	
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	39.	Public Key Infrastructure, An NSS Group White Paper, by Bob Walder, undated, reprinted from website http://www.nss.co.uk/WhitePapers/PublicKeyInfrastructure.htm on January 25, 2001, pp. 1-18	
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